

L Number	Hits	Search Text	DB	Time stamp
1	67211	mtj or tmr or tunnel\$4 or 360/324.2	USPAT; US-PGPUB	2003/10/17 19:26
2	64	shield\$ with cozrta\$	USPAT; US-PGPUB	2003/10/17 19:25
3	37	shield\$ with cotazr\$	USPAT; US-PGPUB	2003/10/17 19:25
4	0	shield\$ with cocrtazr	USPAT; US-PGPUB	2003/10/17 19:25
5	0	shield\$ with cocrzta	USPAT; US-PGPUB	2003/10/17 16:42
6	18	shield\$ with cozr\$ with (ta or cr or tantalum or chromium)	USPAT; US-PGPUB	2003/10/17 19:24
7	5	shield\$ with cota\$ with (zr or cr or zirconium or chromium)	USPAT; US-PGPUB	2003/10/17 16:43
8	82	(shield\$ with cozrta\$) (shield\$ with cotazr\$) (shield\$ with cozr\$ with (ta or cr or tantalum or chromium)) (shield\$ with cota\$ with (zr or cr or zirconium or chromium))	USPAT; US-PGPUB	2003/10/17 16:44
9	39	(mtj or tmr or tunnel\$4 or 360/324.2) and ((shield\$ with cozrta\$) (shield\$ with cotazr\$) (shield\$ with cozr\$ with (ta or cr or tantalum or chromium)) (shield\$ with cota\$ with (zr or cr or zirconium or chromium)))	USPAT; US-PGPUB	2003/10/17 16:45
10	6	co89zr4ta4cr3	USPAT; US-PGPUB	2003/10/17 16:46
11	5	"co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3"	USPAT; US-PGPUB	2003/10/17 16:46
12	3	"co.sub.89zr.sub.4ta.sub.4cr.sub.3"	USPAT; US-PGPUB	2003/10/17 16:46
14	13	shield\$ with (co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3")	USPAT; US-PGPUB	2003/10/17 16:47
15	12	(mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with (co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3"))	USPAT; US-PGPUB	2003/10/17 16:47
16	41	((mtj or tmr or tunnel\$4 or 360/324.2) and ((shield\$ with cozrta\$) (shield\$ with cotazr\$) (shield\$ with cozr\$ with (ta or cr or tantalum or chromium)) (shield\$ with cota\$ with (zr or cr or zirconium or chromium)))) ((mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with (co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3")))	USPAT; US-PGPUB	2003/10/17 16:48

17	24	<p>@ad&lt;20010514 and (((mtj or tmr or tunnel\$4 or 360/324.2) and ((shield\$ with cozrta\$) (shield\$ with cotazr\$) (shield\$ with cozr\$ with (ta or cr or tantalum or chromium)) (shield\$ with cota\$ with (zr or cr or zirconium or chromium)))) ((mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with (co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3"))))</p>	USPAT; US-PPGPUB	2003/10/17 16:48
18	6	<p>@rlad&lt;20010514 and (((mtj or tmr or tunnel\$4 or 360/324.2) and ((shield\$ with cozrta\$) (shield\$ with cotazr\$) (shield\$ with cozr\$ with (ta or cr or tantalum or chromium)) (shield\$ with cota\$ with (zr or cr or zirconium or chromium)))) ((mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with (co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3"))))</p>	USPAT; US-PPGPUB	2003/10/17 16:48
19	28	<p>(@ad&lt;20010514 and (((mtj or tmr or tunnel\$4 or 360/324.2) and ((shield\$ with cozrta\$) (shield\$ with cotazr\$) (shield\$ with cozr\$ with (ta or cr or tantalum or chromium)) (shield\$ with cota\$ with (zr or cr or zirconium or chromium)))) ((mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with (co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3"))))</p> <p>(@rlad&lt;20010514 and (((mtj or tmr or tunnel\$4 or 360/324.2) and ((shield\$ with cozrta\$) (shield\$ with cotazr\$) (shield\$ with cozr\$ with (ta or cr or tantalum or chromium)) (shield\$ with cota\$ with (zr or cr or zirconium or chromium)))) ((mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with (co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3"))))</p>	USPAT; US-PPGPUB	2003/10/17 19:00
21	0	<p>(seed or base or underlayer or "under layer" or adhesive) with cotazr</p>	USPAT; US-PPGPUB	2003/10/17 18:53
22	0	<p>(seed or base or underlayer or "under layer" or adhesive) with ("co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" or "co.sub.89zr.sub.4ta.sub.4cr.sub.3")</p>	USPAT; US-PPGPUB	2003/10/17 18:53
20	1	<p>(seed or base or underlayer or "under layer" or adhesive) with cozrtac</p>	USPAT; US-PPGPUB	2003/10/17 18:53
13	14	<p>co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3"</p>	USPAT; US-PPGPUB	2003/10/17 18:54

23	9	<p>@ad&lt;20000515 and (((mtj or tmr or tunnel\$4 or 360/324.2) and ((shield\$ with cozrta\$) (shield\$ with cotazr\$) (shield\$ with cozr\$ with (ta or cr or tantalum or chromium)) (shield\$ with cota\$ with (zr or cr or zirconium or chromium)))) ((mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with (co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3"))))</p>	USPAT; US-PPGPUB	2003/10/17 19:01
24	4	<p>@rlad&lt;20000515 and (((mtj or tmr or tunnel\$4 or 360/324.2) and ((shield\$ with cozrta\$) (shield\$ with cotazr\$) (shield\$ with cozr\$ with (ta or cr or tantalum or chromium)) (shield\$ with cota\$ with (zr or cr or zirconium or chromium)))) ((mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with (co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3"))))</p>	USPAT; US-PPGPUB	2003/10/17 19:01
25	13	<p>@ad&lt;20000515 and (((mtj or tmr or tunnel\$4 or 360/324.2) and ((shield\$ with cozrta\$) (shield\$ with cotazr\$) (shield\$ with cozr\$ with (ta or cr or tantalum or chromium)) (shield\$ with cota\$ with (zr or cr or zirconium or chromium)))) ((mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with (co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3"))))</p> <p>(@rlad&lt;20000515 and (((mtj or tmr or tunnel\$4 or 360/324.2) and ((shield\$ with cozrta\$) (shield\$ with cotazr\$) (shield\$ with cozr\$ with (ta or cr or tantalum or chromium)) (shield\$ with cota\$ with (zr or cr or zirconium or chromium)))) ((mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with (co89zr4ta4cr3 "co.sub.89 zr.sub.4 ta.sub.4 cr.sub.3" "co.sub.89zr.sub.4ta.sub.4cr.sub.3"))))</p>	USPAT; US-PPGPUB	2003/10/17 19:08
26	454	shield\$ with grain	USPAT; US-PPGPUB	2003/10/17 19:26
27	33	(mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with grain)	USPAT; US-PPGPUB	2003/10/17 19:12
28	12743	360/113 360/3\$	USPAT; US-PPGPUB	2003/10/17 19:12
30	14	((shield\$ with grain) and (360/113 360/3\$)) not ((mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with grain))	USPAT; US-PPGPUB	2003/10/17 19:13
31	3	((mtj or tmr or tunnel\$4 or 360/324.2) and (shield\$ with grain)) and ((shield\$ with grain) and (360/113 360/3\$))	USPAT; US-PPGPUB	2003/10/17 19:13
29	17	(shield\$ with grain) and (360/113 360/3\$)	USPAT; US-PPGPUB	2003/10/17 19:14

32	0	shield\$ with cozr\$ with (ta or cr or tantalum or chromium)	EPO; JPO; DERWENT; IBM_TDB	2003/10/17 19:24
33	0	shield\$ with cozr\$ with (ta or cr or tantalum or chromium)	EPO; JPO; DERWENT	2003/10/17 19:24
34	1	shield\$ with cozrta\$	EPO; JPO; DERWENT; IBM_TDB	2003/10/17 19:25
35	2	shield\$ with cotazr\$	EPO; JPO; DERWENT; IBM_TDB	2003/10/17 19:25
36	0	shield\$ with cocrtazr	EPO; JPO; DERWENT; IBM_TDB	2003/10/17 19:25
37	0	shield\$ with cocrzta	EPO; JPO; DERWENT; IBM_TDB	2003/10/17 19:25
38	3	(shield\$ with cozrta\$) (shield\$ with cotazr\$)	EPO; JPO; DERWENT; IBM_TDB	2003/10/17 19:25
39	572	shield\$ with grain	EPO; JPO; DERWENT; IBM_TDB	2003/10/17 19:27
40	68146	mtj or tmr or tunnel\$4 or g11b005/39	USPAT; US-PGPUB	2003/10/17 19:26
41	79780	mtj or tmr or tunnel\$4 or g11b005/39	EPO; JPO; DERWENT; IBM_TDB	2003/10/17 19:26
42	9	(shield\$ with grain) and (mtj or tmr or tunnel\$4 or g11b005/39)	EPO; JPO; DERWENT; IBM_TDB	2003/10/17 19:27